UPPATED EAST SEARCH HISTORY   CASE # 10/644,029

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	251	(359/814).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:03
S2	2497	(369/44.19,44.21,44.32).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:04
S3	2731	((359/814).CCLS.) or ((369/44.19, 44.21,44.32).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:05
S4	167	(((359/814).CCLS.) or ((369/44. 19,44.21,44.32).CCLS.)) and magnet$1 and shaft$1 and lens$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:06
S5	151	(((359/814).CCLS.) or ((369/44. 19,44.21,44.32).CCLS.)) and magnet$1 and shaft$1 and lens$2 and coil$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:47
S6	65	((((359/814).CCLS.) or ((369/44. 19,44.21,44.32).CCLS.)) and magnet$1 and shaft$1 and lens$2 and coil$1) and (second with coil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:08
S7	131	((((359/814).CCLS.) or ((369/44. 19,44.21,44.32).CCLS.)) and magnet$1 and shaft$1 and lens$2 and coil$1) and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:10
S8	131	(((359/814).CCLS.) or ((369/44. 19,44.21,44.32).CCLS.)) and magnet$1 and shaft$1 and lens$2 and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:48
S9	1105	magnet$1 and shaft$1 and lens$2 and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:49

S10	19	magnet$1 and (shaft near lens$2) and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:52
S11	1068	magnet$1 and (shaft and lens$2) and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:52
S12	498	magnet$1 and (shaft with lens$2) and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 15:16
S13	349	(magnet$1 with lens$2) and (shaft with lens$2) and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:54
S14	70	(magnet$1 with lens$2) and (shaft with lens$2) and (coil$1 with first with second with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 17:36
S15	137	(magnet$1 with lens$2) and (shaft with lens$2) and (coil$1 with (first or second) with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:56
S16	106	((magnet$1 with lens$2) and (shaft with lens$2) and (coil$1 with (first or second) with (focus$3 or track$3))) not ((((359/814).CCLS.) or ((369/44.19,44.21,44.32).CCLS.)) and magnet$1 and shaft$1 and lens$2 and (coil$1 with (focus$3 or track$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 15:15
S17	55556	objective adj lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 15:16
S18	55662	(objective adj lens) magnet$1 and (shaft with lens$2) and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 17:35

S19	392	(objective adj lens) and magnet$1 and (shaft with lens$2) and (coil$1 with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 17:36
S20	61	(objective adj lens) and (magnet$1 with lens$2) and (shaft with lens$2) and (coil$1 with first with second with (focus$3 or track$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 17:39
S21	4	(fiber$ with doped) and (pump$ with source) and (correct$3 with (frequencies or frequency))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 12:45
S22	34	(fiber$1 with doped) and (pump$3 with source) and (correct$3 with (frequencies or frequency))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 12:49
S23	3	(fiber$1 with doped) and (pump$3 with source) and (correct$3 with (frequencies or frequency) with pump$3 with power$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 12:51
S24	3	(fiber$1 with doped) and (pump$3 with source) and (correct$3 with (frequencies or frequency) with pump$3 with (power or energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 12:54
S25	8	(fiber$1 with doped) and (pump$3 with source) and (correct$3 with (frequencies or frequency or wavelength$1) with pump$3 with (power or energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 14:48
S26	8	(fiber$1 with doped) and (pump$3 with source) and (correct$3 with (frequencies or frequency or wavelength$1) with pump$3 with (power or energy or intensit$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:19
S27	95	(fiber$1 with doped) and (pump$3 with source) and ((correct$3 or adjust$3) with (frequencies or frequency or wavelength$1) with pump$3 with (power or energy or intensit$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 16:20
S28	3094	(385/123,140,42).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:18

S29	1169	(372/6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:18
S30	221	(359/341.4,341.41,341.42).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:19
S31	4360	((385/123,140,42).CCLS.) or ((372/6).CCLS.) or ((359/341.4, 341.41,341.42).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:19
S32	6	(((385/123,140,42).CCLS.) or ((372/6).CCLS.) or ((359/341.4, 341.41,341.42).CCLS.)) and (correct$3 with (frequencies or frequency or wavelength$1) with pump$3 with (power or energy or intensit$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:20
S33	6	(fiber$1 with doped) and ((correct$3 or adjust$3) with (gain adj slope))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 16:20
S34	6	(fiber$1 with doped) and ((correct$3 or adjust$3) with (gain adj slope))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 17:05
S35	1	("5808785").PN.	USPAT; USOCR	OR	OFF	2003/04/30 18:02
S36	1	("5818629").PN.	USPAT; USOCR	OR	OFF	2003/04/30 18:02
S37	1	("5995275").PN.	USPAT; USOCR	OR	OFF	2003/04/30 18:02
S38	677	gain adj equalizer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 19:28
S39	43	(gain adj equalizer) and (correct$3 with (frequency or frequencies))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 19:29

S40	43	(gain adj equalizer) and (correct$3 with (frequency or frequencies))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 19:29
S41	1088	(359/813,814,824).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 18:47
S42	5019	(369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 18:48
S43	5859	((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:22
S44	2510	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:01
S45	115	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lenses)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/11 16:56
S46	2528	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:01
S47	312	((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens$2)) and shaft$1 and magnet$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:03
S48	295	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens$2)) and shaft$1 and magnet$1) and coil$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:03

S49	98	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens$2)) and shaft$1 and magnet$1) and (coil with first) and (coil with second)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 15:46
S50	454	(objective adj lens) and shaft and magnet$1 and (coil with focus$3) and (coil with track$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:48
S51	286	(objective adj lens) and shaft and yoke$1 and magnet$1 and (coil with focus$3) and (coil with track$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:48
S52	155	(objective adj lens) and (lens adj holder) and shaft and yoke$1 and magnet$1 and (coil with focus$3) and (coil with track$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:49
S53	9	(objective adj lens) and (lens adj holder) and shaft and (magnetic adj yokes) and magnet$1 and (coil$1 with focus$3) and (coil$1 with track$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:50
S54	9	(objective adj lens) and (lens adj holder) and shaft and (magnetic adj yokes) and magnet$1 and (coil with focus$3) and (coil with track$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 19:10
S55	1	("5513047").PN.	USPAT; USOCR	OR	OFF	2003/05/07 20:45
S56	40	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens$2)) and shaft$1 and magnet$1) and (coil with first with track$3) and (coil with first with focus$3) and (coil with second with track$3) and (coil with second with focus$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 16:39
S57	1	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens$2)) and shaft$1 and magnet$1) and (first adj track$3 adj coil) and (first adj focus$3 adj coil) and (second adj track$3 adj coil) and (second adj focus$3 adj coil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 16:39

S58	0	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens$2)) and (shaft with holder) and magnet$1) and (second adj focus$3 adj coil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 16:42
S59	13	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens$2)) and (shaft with holder) and magnet$1) and (coil with first with track$3) and (coil with first with focus$3) and (coil with second with track$3) and (coil with second with focus$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 18:28
S60	23	(objective adj lens$2) and (shaft with holder) and magnet$1 and (coil with first with track$3) and (coil with first with focus$3) and (coil with second with track$3) and (coil with second with focus$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 18:32
S61	72	(objective adj lens$2) and shaft and magnet$1 and (coil with first with track$3) and (coil with first with focus$3) and (coil with second with track$3) and (coil with second with focus$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 18:33
S62	38	(objective adj lens$2) and (shaft with (lens or holder)) and magnet$1 and (coil with first with track$3) and (coil with first with focus$3) and (coil with second with track$3) and (coil with second with focus$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 18:34
S63	1	("6687062").PN.	USPAT; USOCR	OR	OFF	2004/07/06 19:01
S64	1	(("6687062").PN.) and yoke$1	USPAT	OR	OFF	2004/07/06 19:01
S65	1	("5513047").PN.	USPAT; USOCR	OR	OFF	2004/07/06 20:50
S66	1	(("5513047").PN.) and (actuator with base with magnet$5)	USPAT	OR	OFF	2004/07/06 20:50
S67	1	("6418094").PN.	USPAT; USOCR	OR	OFF	2004/07/06 20:50
S68	1	(("6418094").PN.) and ((outer adj yoke$1) with magnet$3)	USPAT	OR	OFF	2004/07/06 20:51
S69	1	(("6418094").PN.) and (outer adj yoke$1)	USPAT	OR	OFF	2004/07/06 21:15
S70	1	"20030090816"	US-PGPUB	OR	OFF	2004/07/06 21:15

S71	0	"20030090816" and (supporting with member with magnetic with material)	US-PGPUB	OR	OFF	2004/07/06 21:15
S72	0	"20030090816" and (supporting with member with magnetic)	US-PGPUB	OR	OFF	2004/07/06 21:16
S73	1	"20030090816" and (yoke$1 with magnetic)	US-PGPUB	OR	OFF	2004/07/06 21:21
S74	35601	yoke$1 with magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:21
S75	6854	yoke$1 with (magnetic with material)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:23
S76	6137	((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 17:34
S77	102	(yoke$1 with (magnetic with material)) and (((359/813,814, 824).CCLS.) or ((369/44.14,44.15, 44.16,44.19,44.21,44.32).CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:23
S78	4568	yoke$1 with (magnetic adj material)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:23
S79	66	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (yoke$1 with (magnetic adj material))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:23
S80	1	("6687062").PN.	USPAT	OR	OFF	2004/11/19 10:20
S81	0	S80 and (supporting with adjust$3 with holder$1 with perpendicular)	USPAT	OR	OFF	2004/11/19 10:22
S82	0	S80 and (supporting with adjust$3 with holder$1)	USPAT	OR	OFF	2004/11/19 10:22
S83	0	S80 and (position with support$3 with adjust$3)	USPAT	OR	OFF	2004/11/19 10:23
S84	1	S80 and (position with adjust$3)	USPAT	OR	OFF	2004/11/19 10:28
S85	0	S80 and (position with fix$2)	USPAT	OR	OFF	2004/11/19 10:28
S86	1	S80 and (fix$2)	USPAT	OR	OFF	2004/11/19 10:28

S87	135	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lenses)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 20:19
S88	1	"20030090816"	US-PGPUB; USPAT	OR	OFF	2005/05/01 21:23
S89	0	S88 and (first with hole$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:00
S90	1	S88 and (wall$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:09
S91	1	S88 and (oppos$3 with wall$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:25
S92	1	S88 and (hole$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:01
S93	0	S88 and (two with hole$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:00
S94	1	S88 and (hole$1 with holder$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:01
S95	0	S88 and (bottom with wall$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:09
S96	0	S88 and (boss)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:25
S97	142	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lenses)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 20:20
S98	1	"20030090816"	US-PGPUB; USPAT	OR	OFF	2005/05/01 21:24
S99	1	"20050076353"	US-PGPUB; USPAT	OR	OFF	2005/05/01 21:24
S10 0	0	S99 and boss$2	US-PGPUB; USPAT	OR	OFF	2005/05/01 21:24
S10 1	6493	((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 17:34
S10 2	363	S101 and @pd>="20040701"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 17:35

| S10 3 | 12 | (objective adj lens) and (lens adj holder) and shaft and (magnetic adj yokes) and magnet$1 and (coil with focus$3) and (coil with track$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/28 19:12 |
| S10 4 | 71 | (objective adj lens) and (lens adj hold$3) and (magnetic adj path$1) and magnet$1 and coil$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/28 19:18 |

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	((objective adj lens) and (lens adj hold$3) and (magnetic adj path$1) and magnet$1 and coil$1).clm.	US-PGPUB	OR	OFF	2005/09/28 19:18

US 4473274 A	USPAT	Objective lens assembly for optical disc player	359/824
US 4745589 A	USPAT	Objective lens actuator having movements restricting control means for an optical head	369/44.16
US 4752117 A	USPAT	Objective lens driving device	359/814
US 5046820 A	USPAT	Objective lens driving apparatus	359/814
US 5206762 A	USPAT	Viscoelastic substance and objective lens driving apparatus with the same	359/814
US 5317552 A	USPAT	Linear actuator for driving an optical head incorporated in an optical disk	369/44.14
US 5319497 A	USPAT	Lens drive device with lens holder carrying drive flux generating magnets	359/814
US 5319624 A	USPAT	Electromagnetic actuator and optical disk apparatus incorporating the same	369/44.14
US 5479386 A	USPAT	Lens actuating system for an optical disk drive having a driven mass for cancelling forces	369/44.14
US 5506732 A	USPAT	Optical pickup	359/824
US 5513047 A	USPAT	Actuator for an optical head	359/824
US 5541898 A	USPAT	Device for driving an objective lens	369/44.14
US 5646789 A	USPAT	Objective lens driving apparatus	359/814
US 5659525 A	USPAT	Objective lens drive unit having shaped magnetic pieces for providing a restoring force	369/44.22
US 5920437 A	USPAT	Objective lens driving apparatus	359/824
US 5999342 A	USPAT	Objective lens driving system and manufacturing method for same	359/813
US 6195314 B1	USPAT	Objective lens driving device and optical disc apparatus using the same	369/44.14
US 6212019 B1	USPAT	Objective lens driving system in a optical pick-up and method of modulating the resonance frequency of its lens holder	359/814
US 6295255 B1	USPAT	Optical pickup having a tilt mechanism to adjust an optical axis of an incident light beam	369/44.32
US 6341104 B1	USPAT	Optical pickup apparatus of tilt control type	369/44.15
US 6385146 B1	USPAT	Optical pick-up actuator using a concentrated magnetization	369/44.16
US 6418094 B1	USPAT	Optical pick up device	369/44.14
US 6449229 B1	USPAT	Optical pickup assembly with adjustable inclination	369/53.19
US 6466529 B1	USPAT	Optical pickup assembly and method of detecting tilt	369/44.32
US 6687062 B2	USPAT	Objective lens-driving apparatus	359/814
US 20010026528 A1	US-PGPUB	Apparatus for driving a lens for use with a disk player	369/244
US 20050076353 A1	US-PGPUB	Objective lens-driving apparatus	720/683
US 20040264310 A1	US-PGPUB	Optical head device	369/44.14
US 20040190403 A1	US-PGPUB	Objective lens driving apparatus	369/44.11
US 20040190163 A1	US-PGPUB	Objective lens driving apparatus	359/814

US 20030179471 A1	US-PGPUB	Objective lens driving apparatus	359/814
US 20030090816 A1	US-PGPUB	Objective lens-driving apparatus	359/814

NPL SEARCH HISTORY CASE 10/644,029.

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Advanced Search: INSPEC - 1969 to date (INZZ)

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limit

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	objective ADJ lens AND lens ADJ holder AND shaft AND magnetic ADJ yokes AND magnet$1 AND coil WITH focus$3 AND coil WITH track$3	unrestricted	0	-
2	INZZ	objective ADJ lens AND lens ADJ hold$3 AND magnetic ADJ path$1 AND magnet$1 AND coil$1	unrestricted	0	-

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⚙ Classification codes A: Physics, 6

⚙ Classification codes A: Physics, 7

⚙ Classification codes A: Physics, 8

⚙ Classification codes A: Physics, 9

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